

```

?show files;ds
File 5:Biosis Previews(R) 1969-2003/May W1
  (c) 2003 BIOSIS
File 50:CAB Abstracts 1972-2003/Apr
  (c) 2003 CAB International
File 35:Dissertation Abs Online 1861-2003/Apr
  (c) 2003 ProQuest Info&Learning
File 65:Inside Conferences 1993-2003/May W1
  (c) 2003 BLDSC all rts. reserv.
File 8:Ei Compendex(R) 1970-2003/May W1
  (c) 2003 Elsevier Eng. Info. Inc.
File 103:Energy SciTec 1974-2003/Apr B2
  (c) 2003 Contains copyrighted material
File 58:GeoArchive 1974-2003/Apr
  (c) 2003 Geosystems
File 292:GEOBASE(TM) 1980-2003/May
  (c) 2003 Elsevier Science Ltd.
File 89:GeoRef 1785-2003/May B1
  (c) 2003 American Geological Institute
File 2:INSPEC 1969-2003/May W1
  (c) 2003 Institution of Electrical Engineers
File 94:JICST-EPlus 1985-2003/May W1
  (c) 2003 Japan Science and Tech Corp (JST)
File 154:MEDLINE(R) 1990-2003/May W1
  (c) format only 2003 The Dialog Corp.
File 29:Meteor.& Geoastro.Abs. 1970-2002/Jul
  (c) 2002 Amer. Meteorological Soc.
File 111:TGG Natl.Newspaper Index(SM) 1979-2003/May 08
  (c) 2003 The Gale Group
File 6:NTIS 1964-2003/May W2
  (c) 2003 NTIS, Intl Cpyrht All Rights Res
File 144:Pascal 1973-2003/May W1
  (c) 2003 INIST/CNRS
File 34:SciSearch(R) Cited Ref Sci 1990-2003/May W1
  (c) 2003 Inst for Sci Info
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
  (c) 1998 Inst for Sci Info
File 63:Transport Res(TRIS) 1970-2003/Apr
  (c) fmt only 2003 Dialog Corp.
File 99:Wilson Appl. Sci & Tech Abs 1983-2003/Mar
  (c) 2003 The HW Wilson Co.
File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13
  (c) 2002 The Gale Group
File 256:SoftBase:Reviews,Companies&Prods. 82-2003/Apr
  (c) 2003 Info.Sources Inc

```

Set	Items	Description
S1	2250824	COMPUTERI? OR AUTOMAT?? OR (REMOTE?? OR CENTRAL?? OR AUTOMATIC OR ELECTRONIC?)()CONTROL? OR ROBOT?? OR SERVO? ? OR SERVOMECH? OR PROGRAMMED OR CYBERNETIC? ?
S2	9009555	SENS?R? ? OR DETECT??? OR SENSE OR PERCEIV??? OR RECOGNI? - OR DISTINGUISH??? OR FIND???
S3	7769412	TARGET?? OR OBJECT??? OR GOAL? ? OR CENTER? ? OR FOCUS?? OR FOCI OR DESTINATION? ? OR AIM OR AIMS OR MARK? ?
S4	1533002	ANGLE? ? OR CORNER? ? OR PROJECTION? ? OR SALIENT? ?
S5	14528909	MEASUR? OR TRIANGULAT? OR GAUG??? OR MENSURAT??? OR CALCULAT??? OR COMPUTE OR SURVEY???
S6	248468	S2(5N)S3
S7	116768	S4(5N)S5
S8	10	S1(10N)(S6(10N)S7)
S9	6	S8 NOT PY>1999
S10	6	S9 NOT PD=19990116:20030630
S11	6	RD (unique items)

11/3,K/1 (Item 1 from file: 8)
DIALOG(R)File 8:EI Compendex(R)
(c) 2003 Elsevier Eng. Info. Inc. All rts. reserv.

06129526 E.I. No: EIP02377086559
Title: **Sensor technology for soldier systems**
Author: Snow, P.R. JR. (Ed.); Randall, D.A. (Ed.)
Conference Title: Sensor Technology for Soldier Systems
Conference Location: Orlando, FL, United States Conference Date:
19980415-19980415
E.I. Conference No.: 59530
Source: Proceedings of SPIE - The International Society for Optical
Engineering v 3394 1998. 87p
Publication Year: 1998
CODEN: PSISDG ISSN: 0277-786X
Language: English

Descriptors: Image sensors ; Automatic target recognition ; Sensor
data fusion; Laser applications; Military equipment; Range finders; Angle
measurement

11/3,K/2 (Item 2 from file: 8)
DIALOG(R)File 8:EI Compendex(R)
(c) 2003 Elsevier Eng. Info. Inc. All rts. reserv.

06129518 E.I. No: EIP02377086550
Title: **An electronic compass and vertical angle measurement sensor -
Applications and benefits to the soldier system**
Author: Roberts, Barry; Johnson, Angela; Belt, Ron; Platt, Bill
Corporate Source: Honeywell Sensor and Guidance Prod., Minneapolis, MN
55413, United States
Conference Title: Sensor Technology for Soldier Systems
Conference Location: Orlando, FL, United States Conference Date:
19980415-19980415
E.I. Conference No.: 59530
Source: Proceedings of SPIE - The International Society for Optical
Engineering v 3394 1998. p 11-16
Publication Year: 1998
CODEN: PSISDG ISSN: 0277-786X
Language: English

Descriptors: Compasses (magnetic); Angle measurement ; Electronic
equipment; Chemical sensors ; Automatic target recognition ; Helmet
mounted displays; Guns (armament)

11/3,K/3 (Item 3 from file: 8)
DIALOG(R)File 8:EI Compendex(R)
(c) 2003 Elsevier Eng. Info. Inc. All rts. reserv.

02033400 E.I. Monthly No: EI8610100197 E.I. Yearly No: EI86085371
Title: **REAL-TIME RANGE MEASUREMENT DEVICE FOR THREE-DIMENSIONAL OBJECT
RECOGNITION.**
Author: Ozeki, Osamu; Nakano, Tomoaki; Yamamoto, Shin
Corporate Source: Toyota Central Research & Development Lab Inc, Aichi,
Jpn
Source: IEEE Transactions on Pattern Analysis and Machine Intelligence v
PAMI-8 n 4 Jul 1986 p 550-554
Publication Year: 1986
CODEN: ITPIDJ ISSN: 0162-8828
Language: ENGLISH

Identifiers: 3-D OBJECT RECOGNITION ; LIGHT-STRIPE PROJECTION ;
AUTOMATIC SORTING; SHAPE MEASUREMENT

11/3,K/4 (Item 4 from file: 8)

DIALOG(R)File 8: Ei Compendex(R)

(c) 2003 Elsevier Eng. Info. Inc. All rts. reserv.

01493921 E.I. Monthly No: EI8403026039 E.I. Yearly No: EI84107720

Title: APPLICATION OF THREE-DIMENSIONAL VISION SYSTEMS TO INDUSTRIAL ROBOTIC MANUFACTURING AND INSPECTION OPERATIONS.

Author: Levine, Seymour S.

Corporate Source: Robotic Vision Systems Inc, Melville, NY, USA

Source: SAMPE Quarterly v 15 n 1 Oct 1983 p 1-5

Publication Year: 1983

CODEN: SAMQA2 ISSN: 0036-0821

Language: ENGLISH

Abstract: An automated vision sensor system uses structured light projection and optical triangulation techniques to digitize the surface of a 3-D object viewed by the sensor. The system is being applied in a number of turnkey automated inspection and robotic manufacturing systems, including an automated adaptive robotic welding system.

11/3,K/5 (Item 1 from file: 94)

DIALOG(R)File 94: JICST-EPlus

(c) 2003 Japan Science and Tech Corp(JST). All rts. reserv.

04507000 JICST ACCESSION NUMBER: 00A0006792 FILE SEGMENT: JICST-E

Possibility of Detecting the Shape of a Reflecting Object. A mobile robot sonar ring sensor system measuring the bearing angle to the reflecting point. The 6th rep.

YATA TERUKO (1); OYA AKIHISA (1); YUTA SHIN'ICHI (1)

(1) Univ. of Tsukuba

Nippon Robotto Gakkai Gakujutsu Koenkai Yokoshu, 1999,
VOL.17th,dailbunsatsu, PAGE.43-44, FIG.4, REF.3

JOURNAL NUMBER: X0008AAR

UNIVERSAL DECIMAL CLASSIFICATION: 007.52:681.52 681.89

LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan

DOCUMENT TYPE: Conference Proceeding

ARTICLE TYPE: Short Communication

MEDIA TYPE: Printed Publication

Possibility of Detecting the Shape of a Reflecting Object. A mobile robot sonar ring sensor system measuring the bearing angle to the reflecting point. The 6th rep.

11/3,K/6 (Item 2 from file: 94)

DIALOG(R)File 94: JICST-EPlus

(c) 2003 Japan Science and Tech Corp(JST). All rts. reserv.

01431084 JICST ACCESSION NUMBER: 91A0835629 FILE SEGMENT: JICST-E

Parallel3-D Measurement System for Robot Vision.

KAMA KEISUKE (1)

(1) Tohoku Univ.

Tohoku Daigaku Dentsu Danwakai Kiroku(Record of Electrical and
Communication Engineering Conversazione, Tohoku University), 1991,
VOL.60,NO.1, PAGE.145-146, FIG.5

JOURNAL NUMBER: F0511AAU ISSN NO: 0385-7719

UNIVERSAL DECIMAL CLASSIFICATION: 681.3:621.397.3 007.52

LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan

DOCUMENT TYPE: Journal

ARTICLE TYPE: Short Communication

MEDIA TYPE: Printed Publication

ABSTRACT: This paper presents a 3-D measurement system for **robot** vision using structured light. In robotics, there needs 3-D **object** measurement to **recognize** the environmental information. In order to perform high-speed **measurement**, the use of multi-spot **projection** is proposed for the stereo vision. By the restriction of the object range, the correspondence...

```
?show files;ds
File 15:ABI/Inform(R) 1971-2003/May 12
  (c) 2003 ProQuest Info&Learning
File 9:Business & Industry(R) Jul/1994-2003/May 09
  (c) 2003 Resp. DB Svcs.
File 47:Gale Group Magazine DB(TM) 1959-2003/May 08
  (c) 2003 The Gale group
File 621:Gale Group New Prod.Annou.(R) 1985-2003/May 09
  (c) 2003 The Gale Group
File 636:Gale Group Newsletter DB(TM) 1987-2003/May 09
  (c) 2003 The Gale Group
File 148:Gale Group Trade & Industry DB 1976-2003/May 09
  (c) 2003 The Gale Group
File 98:General Sci Abs/Full-Text 1984-2003/Mar
  (c) 2003 The HW Wilson Co.
File 239:Mathsci 1940-2003/Jun
  (c) 2003 American Mathematical Society
File 624:McGraw-Hill Publications 1985-2003/May 09
  (c) 2003 McGraw-Hill Co. Inc
File 369:New Scientist 1994-2003/Apr W4
  (c) 2003 Reed Business Information Ltd.
File 483:Newspaper Abs Daily 1986-2003/May 08
  (c) 2003 ProQuest Info&Learning
File 484:Periodical Abs Plustext 1986-2003/May W1
  (c) 2003 ProQuest
File 370:Science 1996-1999/Jul W3
  (c) 1999 AAAS
File 95:TEME-Technology & Management 1989-2003/Apr W4
  (c) 2003 FIZ TECHNIK
File 647:cmp Computer Fulltext 1988-2003/Apr W2
  (c) 2003 CMP Media, LLC
File 674:Computer News Fulltext 1989-2003/Apr W4
  (c) 2003 IDG Communications
File 80:TGG Aerospace/Def.Mkts(R) 1986-2003/May 09
  (c) 2003 The Gale Group
File 275:Gale Group Computer DB(TM) 1983-2003/May 09
  (c) 2003 The Gale Group
File 16:Gale Group PROMT(R) 1990-2003/May 09
  (c) 2003 The Gale Group
File 160:Gale Group PROMT(R) 1972-1989
  (c) 1999 The Gale Group
```

Set	Items	Description
S1	2156544	COMPUTERI? OR AUTOMAT?? OR (REMOTE?? OR CENTRAL?? OR AUTOMATIC OR ELECTRONIC?)()CONTROL? OR ROBOT?? OR SERVO? ? OR SERVOMECH? OR PROGRAMMED OR CYBERNETIC? ?
S2	8155969	SENS?R? ? OR DETECT??? OR SENSE OR PERCEIV??? OR RECOGNI? - OR DISTINGUISH??? OR FIND???
S3	13200271	TARGET?? OR OBJECT??? OR GOAL? ? OR CENTER? ? OR FOCUS?? OR FOCI OR DESTINATION? ? OR AIM OR AIMS OR MARK? ?
S4	1275660	ANGLE? ? OR CORNER? ? OR PROJECTION? ? OR SALIENT? ?
S5	5464268	MEASUR? OR TRIANGULAT? OR GAUG??? OR MENSURAT??? OR CALCULAT??? OR COMPUTE OR SURVEY???
S6	267609	S2 (5N) S3
S7	23121	S4 (5N) S5
S8	7	S1 (10N) (S6 (10N) S7)
S9	5	S8 NOT PY>1999
S10	5	S9 NOT PD=19990116:20030630
S11	4	RD (unique items)

11/3,K/1 (Item 1 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2003 ProQuest Info&Learning. All rts. reserv.

00973617 96-23010

Tom Edison would be astonished

Keenan, Tim

Ward's Auto World v30n11 PP: 59-60 Nov 1994

ISSN: 0043-0315 JRNLD CODE: WAW

WORD COUNT: 614

...TEXT: is required in Germany. Designed for use with halogen as well as future lighting systems, **automatic aim** control uses ultrasonic **sensors** at the front and rear of the vehicle to **measure** the **angle** between the car body and the road. It then adjusts the headlights' vertical aim, directing...

11/3,K/2 (Item 1 from file: 621)
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)
(c) 2003 The Gale Group. All rts. reserv.

01029352 Supplier Number: 39910808 (USE FORMAT 7 FOR FULLTEXT)
HEIDENHAIN'S WESTEC EXHIBIT TO FEATURE NEW PRODUCTS FOR MACHINE TOOL POSITIONING, MEASUREMENT AND CONTROL.

PR Newswire, pN/A

Dec 16, 1986

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 486

... encoders with integral couplings,

- an unusually compact 17-bit absolute rotary encoder for higher accuracy **angle measuring** applications,

- a new incremental linear encoder with distance-coded reference **marks** to facilitate **automatic datum finding** on numerically-controlled machines, and

- a push-rod type, sealed incremental linear encoder of high...

11/3,K/3 (Item 1 from file: 95)
DIALOG(R)File 95:TEME-Technology & Management
(c) 2003 FIZ TECHNIK. All rts. reserv.

01069314 I97022737259

Attributed scattering centers for SAR ATR

(Streuzentren fuer die automatische Zielerkennung bei Radar mit synthetischer Apertur)

Potter, LC; Moses, RL

Dept. of Electr. Eng., Ohio State Univ., Columbus, OH, USA

IEEE Transactions on Image Processing, v6, n1, pp79-91, 1997

Document type: journal article Language: English

Record type: Abstract

ISSN: 1057-7149

IDENTIFIERS: GEOMETRICAL THEORY OF DIFFRACTION; RADAR TARGET RECOGNITION ; ATTRIBUTED SCATTERING **CENTERS** ; SAR ATR; HIGH FREQUENCY RADAR MEASUREMENTS ; MAN MADE TARGETS; CORNERS ; FLAT PLATES; SIGNAL REPRESENTATION; AUTOMATIC TARGET RECOGNITION ; PARAMETRIC MODELS; RADAR RETURNS; SCATTERING BEHAVIOUR; STATISTICALLY ROBUST ESTIMATION; POLARIZATION RESPONSE; M ARY GENERALIZED LIKELIHOOD...

11/3,K/4 (Item 2 from file: 95)
DIALOG(R)File 95:TEME-Technology & Management
(c) 2003 FIZ TECHNIK. All rts. reserv.

00605219 M92093927626

Zmanjsanje nedolocnosti lege in usmerjenosti predmeta v prijemalu robota
(Unbestimmtheitsminderung der Lage und Orientierung des Objektes in den
Robotergriffarm)

(Reducing uncertainty in position and orientation of object in robot
gripper)

Dolensek, S

Fak. za elektrotehniko, Ljubljana, Slovenia

Strojniski Vestnik, v38, n4-6, pp99-111, 1992

Document type: journal article Language: Slovene

Record type: Abstract

ISSN: 0039-2480

DESCRIPTORS: GRIPPING ARMS; GRIPPER CONTROL SYSTEMS; INDUSTRIAL ROBOTS ;
HORIZONTAL MEASUREMENT; DIRECTION; OBJECT RECOGNITION ; POSITION
INDICATORS; MEASURING FEELERS; MECHANICAL SENSING; TORQUE; SWING ANGLE ;
INERTIAL MOMENTS; VECTORS; LARGE SCALE MODEL; LOADABILITY; LOAD...